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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Peter Lind

Serial No.: 09/930,312

Group Art Unit: 1646

Filed: August 15, 2001

Examiner: Dong Jiang

Title: NOVEL G PROTEIN-COUPLED RECEPTORS

DATE OF DEPOSIT: December 2, 2003

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TYPED NAME: Daniel M. Scolnick  
REGISTRATION NO: 52,201

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

COMMUNICATION


In the Office Action of July 17, 2003, the Office indicated that the references listed on the PTO-1449, (filed September 18, 2001) were not present in the current application file and that copies of the PTO-1449 filed on September 18, 2001, and the references cited therein were apparently misplaced. As a courtesy to the Office, Applicant attaches hereto replacement copies of the September 18, 2001 PTO-1449 and

references cited therein.. Applicant notes that the Examiner will “consider them as though they were submitted with the IDS in paper No. 4” (Office Action, page 2).

**Conclusion**

Applicant invites the Examiner to contact the undersigned at (215) 665-6928 to clarify any unresolved issues raised by this response.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Daniel M. Scolnick", is written over a horizontal line.

Daniel M. Scolnick, Ph.D.

Reg. No. 52,201

Date: December 2, 2003

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Attachments: PTO-1449 (filed September 18, 2001)

Copies of References listed on PTO-1449

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
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Applicant

Peter Lind et al.

Filing Date

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✓	AA	Akane, A., et al., "direct dideoxy sequencing of genomic DNA by ligation-mediated PCR," <i>Biotechniques</i> , 1994, 16(2), 238-241 (page 239 - advertisement)
✓	AB	Altschul, S. F., et al., "Basic local alignment search tool," <i>J. Mol. Biol.</i> , 1990, 215, 403-410
✓	AC	American Veterinary Medical Association, <i>Report of the American Veterinary Medical Assoc.</i> , Panel on Euthanasia, <i>Journal of American Veterinary Medical Assoc.</i> , 1993, 202, 229-249
✓	AD	Anderson, W.F., "Human gene therapy," <i>Nature</i> , Supplement to Vol. 392(6679), 1998, 25-30
✓	AE	Anderson, W. F., "Human gene therapy," <i>Science</i> , 1992, 256, 808-813
✓	AF	Aujame, L., et al., "High affinity human antibodies by phage display," <i>Human Antibodies</i> , 1997, 8(4), 155-168
✓	AG	Aukrust, P., et al., "Enhanced levels of soluble and membrane-bound CD40 ligand in patients with unstable angina; Possible Reflection of T lymphocyte and platelet involvement in the pathogenesis of acute coronary syndromes," <i>Circulation</i> , 1999, 100, 614-620
*	AH	Ausubel, et al. (Eds.), <i>Current Protocols in Molecular Biology</i> , New York, 1987-1999, John Wiley & Sons, Inc.
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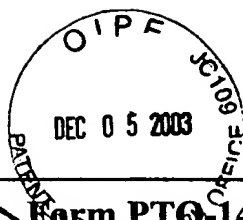
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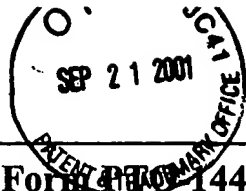
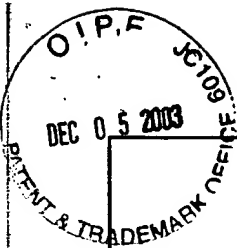
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\* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>00329.US1/PHRM-0366</b>	Serial No. <b>09/930,312</b>
		Applicant <b>Peter Lind et al.</b>	
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	AK	Baindur, N., et al., "Selective fluorescent ligands for pharmacological receptors," <i>Drug Dev. Res.</i> , 1994, 33, 373-398	
	AL	Benoist C., et al., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> , 1981, 290, 304-310	
	AM	Berger, et al., <i>Guide to Molecular Cloning Techniques</i> , Methods in Enzymology 152, 1987, Academic Press, Inc., San Diego, CA	
	AN	Birney, E., et al., "PairWise and SearchWise: finding the optimal alignment in a simultaneous comparison of a protein profile against all DNA translation frames," <i>Nucleic Acids Res.</i> , 1996, 24(14), 2730-2739	
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	AR	Breedon, L., et al., "Regulation of the yeast HO gene," <i>Cold Spring Harb. Symp. Quant. Biol.</i> , 1985, Vol. L, <i>Molecular Biology of Development</i> , 643-650	
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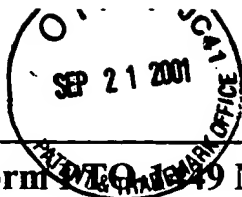
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AY	Choo, Y., et al., "Promoter-specific activation of gene expression directed by bacteriophage-selected zinc fingers," <i>J. Mol. Biol.</i> , 1997, 273, 525-532
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BA	Cirino, G., et al., "Thrombin functions as an inflammatory mediator through activation of its receptor," <i>J. Exp. Med.</i> , 1996, 183, 821-827
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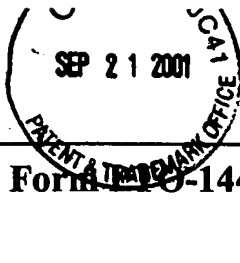
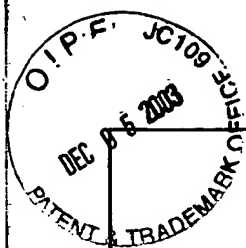
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	BE	Cosman, D., et al., "Cloning sequence and expression of human interleukin-2 receptor," <i>Nature</i> , 1984, 312, 768	
*	BF	<i>Current Protocols in Molecular Biology</i> , 1999, John Wiley & Sons, New York	
	BG	Donovan, F. M., et al., "Thrombin induces apoptosis in cultured neurons and astrocytes via a pathway requiring tyrosin kinase and RhoA activities," <i>J. Neurosci</i> , 1997, 17(14), 5316-5326	
	BH	Dooley, C. T., et al., "Binding and in vitro activities of peptides with high affinity for the nociceptin/orphanin FQ receptor, ORL1," <i>J. Pharmacology and Experimental Therapeutics</i> , 1997, 283(2), 735-741	
	BI	Douglas, A. M., et al., "Direct sequencing of double-stranded PCR products incorporating a chemiluminescent detection procedure," <i>Biotechniques</i> , 1993, 14, 824-828	
	BJ	Drmanac, R., et al., "DNA Sequence Determination by Hybridization A Strategy for Efficient Large-Scale Sequencing," <i>Science</i> , 1993, 260, 1649-1652	
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	BN	Fields, S., et al., "A novel genetic system to detect protein-protein interactions," <i>Nature</i> , 1989, 340, 245-246	
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BP	Fischer, S. G., et al., "DNA fragments differing by single base-pair substitutions are separated in denaturing gradient gels: Correspondence with melting theory," <i>Proc. Natl. Acad. Sci. USA</i> , 1983, 80, 1579-1583
BQ	Foote, J., et al., Antibody framework residues affecting the conformation of the hypervariable loops," <i>J. Mol. Biol.</i> , 1992, 224, 487-499
BR	Frandsen, E. K., et al., "A simple ultrasensitive method for the assay of cyclic AMP and GMP in tissues," <i>Life Sciences</i> , 1976, 18, 529-542
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*	BZ	Harlow, et al. (Eds.), <i>Antibodies A Laboratory Manual</i> , 1988, Cold Spring Harbor Laboratory; Cold Spring Harbor, New York
	CA	Hauck, R. W., et al., "α-thrombin stimulates contraction of human bronchial rings by activation of protease-activated receptors," <i>Am J. Physiol.</i> , 1999, 277, L22-L29
*	CB	Haugland, <i>Handbook of Fluorescent probes and Research Chemicals</i> , 6 <sup>th</sup> Ed., 1996, Eugene OR: Molecular Probes
*	CC	Hendrix, R.W., Ed., <i>Lambda II</i> , 1980, Cold Spring Harbor Press, Cold Spring Harbor, NY
	CD	Henikoff, S., et al., "Amino acid substitution matrices from protein blocks," <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89, 10915-10919
*	CE	Hershey, A. D., (Ed.), <i>The Bacteriophage Lambda</i> , 1973, Cold Spring Harbor Press, Cold Spring Harbor, New York
	CF	Hill, D. C., "Trends in development of high-throughput screening technologies for rapid discovery of novel drugs," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1(1), 92-97
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	CH	Hodgson, J., "Receptor screening and the search for new pharmaceuticals," <i>Bio/Technology</i> , 1992, 10, 973-980

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CJ	Jayawickreme, C. K., et al., "Gene expression systems in the development of high-throughput screens, <i>Current Opinion in Biotechnology</i> , 1997, 8, 629-634
CK	Jones, P. T., et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <i>Nature</i> , 1986, 321, 522-525
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CM	Karlin, S., et al., "Applications and statistics for multiple high-scoring segments in molecular sequences," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90, 5873-5787
CN	Kettleborough, C. A., et al., "Humanization of a mouse monoclonal antibody by CDR-grafting: the importance of framework residues on loop conformation," <i>Protein Engin.</i> , 1991, 4(7), 773-783
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CP	Kim, J., et al., "Design of TATA box-binding protein/zinc finger fusions for targeted regulation of gene expression," <i>Proc. Natl. Acad. Sci. USA</i> , 1997, 94, 3616-3620
CQ	Kobilka, B. K., "Amino and carboxyl terminal modifications to facilitate the production and purification of a G protein-coupled receptor," <i>Analytical Biochemistry</i> , 1995, 231(1), 269-271
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CU	Lehninger, "Chapter 4, The amino acid building blocks of proteins," <i>Biochemistry</i> , 2 <sup>nd</sup> Ed., 1975, Worth Publishers, Inc., New York, New York, 71-77
CV	Lin, A. H., et al., "The oxazolidinone eperezolid binds to the 50S ribosomal subunit and competes with binding of chloramphenicol and lincomycin," <i>Antimicrobial Agents and Chemotherapy</i> , 1997, 41(10), 2127-2131
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DB	Miller, A. D., "Human gene therapy comes of age", <i>Nature</i> , 1992, Vol. 357, pp. 455-460

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	DG	Myers, R. M., et al., "Detection of single base substitutions by ribonuclease cleavage at mismatches in RNA: DNA duplexes", <i>Science</i> , 1985, Vol. 230, 1242-1246
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*	DI	O'Rielly, et al. (Eds.), <i>Baculovirus Expression Vectors: A Laboratory Manual</i> , 1992, W.H. Freeman and Company, New York
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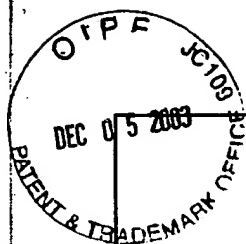
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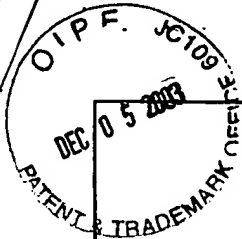
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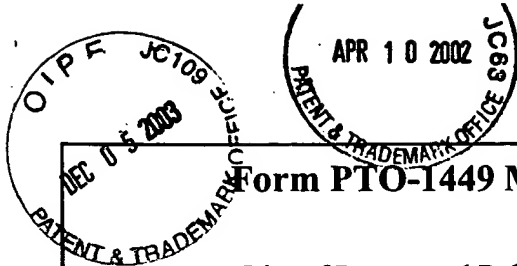
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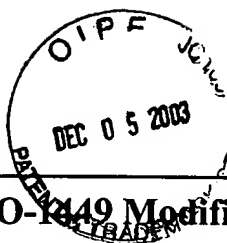
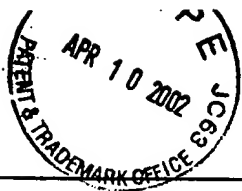
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